

## Earthea Nance

Associate Professor (with tenure)  
Dept. Urban Planning & Environmental Policy  
(Joint Appointment in Political Science)  
Texas Southern University

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### *Degrees Earned*

PhD, Civil & Environmental Engineering	Stanford University
Advisor: Leonard Ortolano, PhD (Harvard University)	6/2004
Concentration: Environmental Planning and Management	
Dissertation Topic: Community Participation in Urban Sanitation	

MS, Civil & Environmental Engineering	University of California-Davis
Advisor: Edward Schroeder, PhD (Rice University)	6/1991
Concentration: Water and Wastewater	
Thesis Topic: Water Treatment Modeling	

BS, Civil & Environmental Engineering	University of California-Davis
Concentration: Water Resources Management	6/1985

### *Professional Registration and Licensure*

Professional Civil Engineer (CA License No. C55925)	1996-present
Certified Floodplain Manager (LA and TX Certificate No. 09-04251)	2009-present
Hazardous Waste Operations (CA Certificate No. 27625)	2000-2004

### *Research Interests*

- ♦ Environmental hazards and disaster recovery, especially floods, hurricanes, and oil spills.
- ♦ Water management in complex social settings, especially vulnerable communities, developing countries, and high-hazard areas.
- ♦ Participatory development and the co-production of urban infrastructure.
- ♦ Integration of justice and equity into environmental policy.

## ***Professional Employment***

### **A. Academic**

Texas Southern University	
Associate Professor, Urban Planning & Environmental Policy	7/2013-present
Associate Dean of Student Affairs, School of Public Affairs	7/2013-8/2016
University of New Orleans	
Assistant Professor, Planning and Urban Studies	8/2009-6/2013
Massachusetts Institute of Technology	
Visiting Assistant Professor, Urban Studies and Planning	8/2005-6/2006
Virginia Polytechnic Institute & State University	
Assistant Professor, Urban Affairs and Planning	8/2004-5/2005

### **B. Professional**

#### *Planning*

City of New Orleans, New Orleans, LA	
Director of Disaster Mitigation Planning	2007-09
Director of Infrastructure & Environmental Planning	2006-07

#### *Engineering*

Lawrence Livermore National Laboratory, Livermore, CA	
Facility Engineer	2003-04
Environmental/Chemical Engineer	2002-03
F.E. Jordan & Associates, Inc., San Francisco and Oakland, CA	
Principal Engineer	1999-00
Uribe & Associates Environmental Consulting, Oakland, CA	
Principal Engineer	2000-02
Environmental Engineer	1991-94
James M. Montgomery Consulting Engineers, Walnut Creek, CA	
Environmental Engineer	1989-91
Associate Engineer	1988-89
Assistant Engineer	1987-88

#### *Consulting (part-time)*

Prevention Institute, Oakland, CA	
Evaluation Consultant	2019-present

Deep South Center for Environmental Justice, New Orleans, LA Evaluation Consultant	2011-present
The World Bank, Washington, DC Environmental Engineering Consultant	2011-13
Louisiana Bucket Brigade, New Orleans, LA Environmental Justice Consultant	2010-12
RAND Corporation, Santa Monica, CA Disaster Planning Consultant	2009-12

### ***Public Service***

Community Flood Resilience Task Force (Houston, TX) Harris County Commissioners	2021-present
Cities of Opportunity Program (Houston, TX) National League of Cities	2021-present
Disaster Justice Network (New Orleans, LA)	2020-present
Water Institute of the Gulf (Baton Rouge, LA) Member, Board of Directors	2020-present
Member, Science and Engineering Advisory Council	2015-2020
Connective (Houston, TX) Member, Board of Directors	2020-present
Coalition for Environment, Equity, and Resilience (Houston, TX)	2018-present
Harris County Long-Term Recovery Committee Member, Data Workgroup	2017-present
Houston Climate Action Plan (Houston, TX)	2019-2020
Greater Houston Flood Mitigation Consortium (Houston, TX)	2017-2019
Texas Water Research Network (Austin, TX)	2015-2020
Environmental Protection Agency (Washington, DC) Member, Sub-Committee on Sustainable and Healthy Communities	7/2015-3/2017
Member, Science Advisory Board Environ. Engineering Committee	11/2009-1/2016
Member, Board of Scientific Counselors Executive Committee	6/2011-7/2015
National Research Council (Washington, DC) Reviewer, <i>Affordability of National Flood Insurance-Report 1</i>	1/2015-10/2015
Reviewer, <i>Affordability of National Flood Insurance-Report 2</i>	10/2015-1/2016
Member, Committee on Levees and Flood Insurance	10/2011-10/2012

National Environmental Justice Advisory Council (Washington, DC) Member, Research Workgroup	7/2012-7/2013
Houston Resilience Committee (Houston, TX)	2014
Center for Sustainable Engagement & Development (New Orleans, LA) Member, Executive Board	2011-2016

## ***Fellowships and Honors***

Faculty Fellow, Transportation Research Board Minority Fellows Program	2015-16, 2016-17
Fellow, Loyola University Institute for Environmental Communication	2011
Fellow, NSF Next Generation of Hazard & Disaster Researchers	2009-2010
Fellow, Martin Luther King Fellowship, Massachusetts Institute of Technology	2005-2006
Fellow, Fulbright Regional Development Seminar, Vienna, Austria	2005
John K. Vennard Scholarship in Civil Engineering, Stanford University	1996-1997
Dissertation Writing Grant, Stanford Institute for International Studies	1995-1996
Dissertation Fieldwork Grant, Buck Foundation Environmental Fund	1994-1995
Dissertation Travel Grant, Stanford Institute for International Studies	1993-1994
Francis Goodrich Fellowship, Stanford University School of Engineering	1993-1994
Foreign Language and Area Studies Fellowship, US Dept. of Education	1992-1993
Francis Goodrich Fellowship, Stanford University School of Engineering	1991-1992
Ford Foundation Doctoral Fellowship Honorable Mention	1986, 1991
Outstanding Black Graduate Academic Award, University of California, Davis	1987
Outstanding Senior, Office of the Chancellor, University of California, Davis	1985
Outstanding Black Undergraduate Academic Award, University of California, Davis	1985
Space Vector Corporation Scholarship, University of California, Davis	1984
National Merit Scholar Semi-Finalist	1980

## ***Awards***

Key to the City of New Orleans, presented by the Mayor (In recognition of service to New Orleans during its recovery from Hurricane Katrina).	2009
Proclamation from the City of New Orleans, presented by the Mayor (In recognition of service to New Orleans during its recovery from Hurricane Katrina).	2009
Proclamation from the City of New Orleans, presented by the City Council (In recognition of service to the Desire Neighborhood in its recovery from Katrina).	2013

## Grants

### A. Funded Grants and Contracts

Role	Funder	Total Grant Amount	Dates
Co-Investigator	Houston Endowment	\$1,200,000	2020-2021
Principal Investigator	Institute for Sustainable Communities	\$349,141	2019-2022
Co-Investigator	Houston Endowment	\$250,000	2020-2022
Co-Investigator	JP Morgan Chase	\$250,000	2021-2022
External Evaluator	National Institutes of Environmental Health Science/Deep South Center for Environmental Justice	\$5,000,000	2019-2022
Sub-Project Lead Investigator	National Science Foundation/Rensselaer Polytechnic Institute	\$200,000	2018-2019
Research Associate	Texas Medical Center/University of Texas Health Institute	\$49,836	2018-2019
Subject Matter Expert	Greater Houston Flood Mitigation Consortium/Huitt-Zollars, Inc.	unknown	2018-2019
Subject Matter Expert	W.K. Kellogg Foundation	\$3,000,000	2017-2020
External Evaluator	National Institutes of Environmental Health Science/Dillard University	\$5,000,000	2016-2018
Principal Investigator	Texas Southern University	\$5,500	2013-2014
Research Consultant	Environmental Protection Agency/Dillard University/Deep South Center for Environmental Justice	\$1,000,000	2013
Research Consultant	Environmental Protection Agency/Dillard University/Deep South Center for Environmental Justice	\$100,000	2012-2014
Sub-Project Lead Investigator	National Science Foundation/Tulane University	\$299,551	2009-2011
Sub-Project Lead Investigator	Federal Emergency Management Agency/University of New Orleans	\$107,393	2009-2011
Research Consultant	National Oceanic & Atmospheric Admin./Rand Corporation	\$25,000	2009-2011
Research Consultant	Ford Foundation/Deep South Center for Environmental Justice	\$10,000	2009-2010
Principal Investigator	Federal Emergency Management Agency/City of New Orleans	\$154,000	2008-2009
Principal Investigator	Federal Emergency Management Agency/City of New Orleans	\$57,000,000	2007-2010
Principal Investigator	Federal Emergency Management Agency/City of New Orleans	\$1,000,000	2007-2010
Principal Investigator	Bush Clinton Katrina Foundation and Louisiana Disaster Recovery Foundation/City of New Orleans	\$1,140,000	2007-2009
Principal Investigator	Department of Energy/City of New Orleans	\$200,000	2007-2009
Research Consultant	Kellogg Foundation/Deep South Center for Environmental Justice	\$100,000	2007-2008
Principal Investigator	Mitsubishi Environmental Fund/People's Environmental Center	\$20,000	2007-2008
Principal Investigator	Rockefeller Philanthropy Advisors Gulf Coast Fund	\$37,000	2006-2007

## ***Scholarship***

### **1. Publications**

#### **a. Books and Monographs**

##### Books

- 2012 Earthea Nance. 2012. *Engineers and Communities: Transforming Sanitation in Contemporary Brazil*, Lanham, MD: **Lexington Books**. <https://rowman.com/ISBN/9780739179284>. (peer-reviewed)

##### Monographs

- 2019 Earthea Nance. May 2019. Contributing Author, *The Flood Next Time: What We Can Do Now*. Houston, TX: **Greater Houston Flood Mitigation Consortium**. <http://www.houstonconsortium.com/p/report>. (peer-reviewed)
- 2019 Kyle Shelton, Earthea Nance, Ryan Bare, and Grant Patterson. April 2019. “Development Regulations.” Houston, TX: **Greater Houston Flood Mitigation Consortium**. <http://www.houstonconsortium.com/>. (peer-reviewed)
- 2018 Earthea Nance. 2018. Co-Author, *Strategies for Flood Mitigation in Greater Houston*. Houston, TX: **Greater Houston Flood Mitigation Consortium**. <http://www.houstonconsortium.com/p/report>. (peer-reviewed)
- 2013 Earthea Nance. 2013. Contributing Author, *Levees and the National Flood Insurance Program: Improving Policies and Practices*. Report of the National Academy of Sciences/National Research Council Committee on Levees. Washington, DC: **National Academies Press**. <https://doi.org/10.17226/18309>. (peer-reviewed)
- 2008 Earthea Nance, W. Fisher, J. Schwartz, and D. Quinn. 2008. *GreeNOLA: A Strategy for a Sustainable New Orleans*. Report of the **City of New Orleans and the Louisiana Disaster Recovery Foundation**. New Orleans, LA: City of New Orleans. <https://www.nola.gov/getattachment/bece551e-5cf8-421c-ac27-48db26194c40/Appendix-Ch-13-GreeNOLA-A-Strategy-for-a-Sustainab/>.

b. **Articles and Book Chapters**

- 2021 Earthea Nance. 2021. "Monitoring Air Pollution Variability during Disasters." *Atmosphere* 12(4):420. (peer-reviewed)  
<https://doi.org/10.3390/atmos12040420>
- 2021 Beverly Wright, Earthea Nance, Denae King, and Joy Semien. 2021. "A Question of Human Rights: Transnational Targeting of Environmental Justice Communities." *Humanity and Society*. (article accepted for publication and in press) (peer-reviewed)
- 2021 Eric C. Jones, Earthea Nance, and Sheryl A. McCurdy. "Social Capital and Social Networks in Flood Recovery," in Research Handbook on Flood Risk Management (book chapter submitted and in peer-review at *Edward Elgar Publishing*)
- 2021 Earthea Nance and Jamila Johnson. "Barriers to Equity in Flood Mitigation Buyouts." (article submitted and under revision for the *Ralph Bunch Journal of Public Affairs*)
- 2021 Earthea Nance, Sheri Smith, Jiwan Thapa, and Liza Powers. "A Buyout Displacement Index for Uncovering the Effects of Disinvestment in Greater Houston Watersheds." (article submitted and under revision for the *Journal of Planning Education and Research*)
- 2019 Joy Semien and Earthea Nance. 2019. "K.A.P.S.: A Disaster Training Approach for High-Risk Communities," *International Journal of Mass Emergencies and Disasters* 37(3):264-285. (peer-reviewed)
- 2016 Earthea Nance, Denae King, Beverly Wright and Robert D. Bullard. 2016. "Ambient Air Concentrations Exceeded Health-Based Standards for Fine Particulate Matter and Benzene during the Deepwater Horizon Oil Spill," *Journal of the Air & Waste Management Association*, 66(2):224-236. (peer-reviewed)  
<https://www.tandfonline.com/doi/full/10.1080/10962247.2015.1114044>
- 2015 Earthea Nance. 2015. "Exploring the Impacts of Flood Insurance Reform on Vulnerable Communities," *International Journal of Disaster Risk Reduction* 13:20-36. (peer-reviewed)
- 2012 Beverly Wright and Earthea Nance. 2012. "Toward Equity: Prioritizing Vulnerable Communities in Climate Change," *Duke Forum for Law and Social Change* 4(1):1-21. (reviewed by Duke Law School)

- 2011 Kevin Fox Gotham, Richard Campanella, Josh Lewis, Farrah Gafford, Earthea Nance, and Mallikharjuna R. Avula. 2011. "Reconsidering the New Normal: Vulnerability and Resilience in Post-Katrina New Orleans," *Global Horizons: The Journal of Global Policy and Resilience* 4(2):54-68. Hattiesburg, MS: University of Southern Mississippi. (peer-reviewed)
- 2010 Louise K. Comfort, Thomas A. Birkland, Beverly A. Cigler, and Earthea Nance. 2010. "Retrospectives and Prospectives on Hurricane Katrina – Five Years and Counting," *Public Administration Review* 70(5):669-678. (peer-reviewed)
- 2010 Earthea Nance. 2010. "Reforming Mitigation Programs: A New Orleans Case Analysis," *The Public Manager* 39(3):32-37. (peer-reviewed)
- 2009 Earthea Nance. 2009. Responding to Risk: The Making of Hazard Mitigation Strategy in Post-Katrina New Orleans, *Journal of Contemporary Water Research and Education* 141:21-30 (Special Issue). (peer-reviewed)
- 2009 Earthea Nance. 2009. "Making the Case for Community-Based Laboratories: New Strategies in the Environmental Justice Movement." In *Race, Place, and Environmental Justice After Katrina* (by Robert Bullard and Beverly Wright, eds.), pp. 153-166. Boulder, CO: **Westview Press**. (peer-reviewed)
- 2007 Earthea Nance and Leonard Ortolano. 2007. "Community Participation in Urban Sanitation: Experiences in Northeastern Brazil," *Journal of Planning Education and Research* 26:284-300. (peer-reviewed)
- 2005 Earthea Nance. 2005. "Multistakeholder Evaluation of Condominial Sewer Services," *American Journal of Evaluation* 26(4):480-500. (peer-reviewed)
- 1990 Ann E. Farrell, Bert Michalzyk, and (Earthea) Anaya Nance. 1990. "Evaluating the Impacts of Sludge Incineration Using a Risk-Based Approach," *Water Science and Technology* 22(12):75-83. (peer-reviewed)

### c. **Research Reports and Conference Proceedings**

- 2017 Velyjah Southern, Earthea Nance, Carol Abel Lewis, and Jermaine Potts. 2017. "Strategies for High Intensity Bus: Best Practices for Operating Express Buses in Managed Lanes." Paper No. 17-05333. *Transportation Research Board 96<sup>th</sup> Annual Meeting Compendium of Papers*. (peer-reviewed)



- 2016 N. Jenise Young, Jonathan Martin, Earthea Nance, Carol Abel Lewis, Gwendolyn Goodwin, Latisha Clark, and Khosro Godazi. 2016. "Exclusivity and Shared Use: Examining the State of the Practice in U.S. High Intensity Bus Service." Paper No. 16-4403. *Transportation Research Board 95<sup>th</sup> Annual Meeting Compendium of Papers*. (peer-reviewed)
- 2014 Beverly Wright and Earthea Nance. 2014. *Clearing the Air: An Analysis of Air Emissions from the Deepwater Horizon Oil Spill*. Research by Dillard University for the *Environmental Protection Agency*. <http://www.dscej.org/>.
- 2010 Shirley Laska, Earthea Nance, K.C. King, and Joel Devalcourt. 2010. *Achieving Successful Long-Term Recovery and Safety from a Catastrophe: Recommendations for Mitigation*. Research by the University of New Orleans for the *Ford Foundation*. [https://scholarworks.uno.edu/chart\\_pubs/7/](https://scholarworks.uno.edu/chart_pubs/7/)
- 2010 Shirley Laska, Pamela Jenkins, Robert Montjoy, Monica Teets Farris, Earthea Nance, Michelle Gremillion, Joel Devalcourt, K.C. King, Branda Nowell and Thomas Birkland. 2010. *Achieving Successful Long-Term Recovery and Safety from a Catastrophe: Recommendations from Hurricane Katrina—Executive Summary*. Research by the University of New Orleans for the *Ford Foundation*. <https://scholarworks.uno.edu/cgi/viewcontent.cgi?article=1004&context=chartpubs>.
- 1987 Harald Moehser, (Earthea) Anaya Nance, and Edward D. Schroeder. 1987. *Removal of the Halogenated Organic Compounds 1,2-Dibromo-3-Chloropropane, Ethylene Dibromide, Trichloroethylene, Tetrachloroethylene, 1,1,1-Trichloroethane, and Carbon Tetrachloride from Water Supplies by Granular Activated Carbon Adsorption*. Research by the University of California Davis for the *California Public Health Foundation*.

#### d. Technical Reports

- 2018 Earthea Nance. *Evaluation of the Dillard University 2017-2018 Worker Training Program*. Prepared for the *National Institute of Environmental Health Science*.
- 2017 Earthea Nance. *Evaluation of the Dillard University 2016-2017 Worker Training Program*. Prepared for the *National Institute of Environmental Health Science*.
- 2016 Earthea Nance. *Evaluation of the Dillard University 2015-2016 Worker Training Program*. Prepared for the *National Institute of Environmental Health Science*.
- 2016 Earthea Nance. 2016. Contributing Author, *Review of U.S. EPA Office of Research and Development's Research Programs*. Report of the *Environmental Protection Agency Board of Scientific Counselors*. <https://www.epa.gov/bosc/review-us-epa-office-research-and-developments-research-programs>.

- 2015 Earthea Nance. 2015. Contributing Author, *Strategic Research Planning for 2016-2019: A Joint Report of the Science Advisory Board and the Board of Scientific Counselors*. Report of the **Environmental Protection Agency**.  
[https://yosemite.epa.gov/sab/sabproduct.nsf/98BF8161501B5A3C85257DDA005EB913/\\$File/EPA-SAB-15-004+BOSC+report-1+26+15-final+unsigned.pdf](https://yosemite.epa.gov/sab/sabproduct.nsf/98BF8161501B5A3C85257DDA005EB913/$File/EPA-SAB-15-004+BOSC+report-1+26+15-final+unsigned.pdf).
- 2014 Earthea Nance. 2014. Contributing Author, *Recommendations for Integrating Environmental Justice into the EPA's Research Enterprise*. Report of the **Environmental Protection Agency National Environmental Justice Advisory Council**.  
<https://www.epa.gov/sites/production/files/2015-02/documents/nejac-research-recommendations-2014.pdf>.
- 2013 Earthea Nance. 2013. "Solid Waste Management in Sindh Province, Pakistan." In *Social Resilience in Sindh, Pakistan: Addressing Sustainable Development Priorities* (by Ernesto Sánchez Triana, Anna O'Donnell, Javaid Afzal, Santiago Enriquez, Ghazal Dezfuli, Bjorn Larsen and Elena Strukova), pp.448-488. Prepared for the **World Bank**.  
[https://www.researchgate.net/profile/Ernesto\\_Sanchez-Triana/publication/299906583\\_Sindh\\_Province's\\_Priority\\_Environmental\\_Problems/links/573517e608ae9f741b283615/Sindh-Provinces-Priority-Environmental-Problems.pdf](https://www.researchgate.net/profile/Ernesto_Sanchez-Triana/publication/299906583_Sindh_Province's_Priority_Environmental_Problems/links/573517e608ae9f741b283615/Sindh-Provinces-Priority-Environmental-Problems.pdf). (peer-reviewed)
- 2007 Gina Solomon, Earthea Nance, Sarah Janssen, William Brice White, and Erik Olson. 2007. *Drinking Water Quality in New Orleans: June–October 2006*. Prepared for the **Natural Resources Defense Council**.

#### e. Published Newspaper Opinions/Public Comments

- 2020 Earthea Nance. "Is History Repeating Itself on Climate, Government, and Business?" Podcast. **The Aspen Institute**. February 25, 2020. Available at: <https://www.aspeninstitute.org/podcasts/is-history-repeating-itself-on-climate-government-and-business/>
- 2019 Earthea Nance. "Buyout Equity in Bond Mitigation Funds." Public testimony to **Harris County Commissioner's Court**. June 25, 2019. Houston, TX.
- 2019 Earthea Nance and Kyle Shelton. "Development Regulations." Interview by **Community Impact Newspaper**. June 6, 2019. Houston, TX.
- 2019 Earthea Nance. "Houston Flood Czar: Stopping Development In 100-Year Floodplain "Not Going to Happen." Interview by **Houston Public Media**. June 5, 2019. Houston, TX. Available at: <https://www.houstonpublicmedia.org/articles/news/in-depth/2019/06/05/335836/houston-flood-czar-stopping-development-in-100-year-floodplain-not-going-to-happen/>.
- 2019 Kyle Shelton and Earthea Nance. "Development Regulations." Op-ed comment. **Houston Chronicle**.

- 2019 Earthea Nance. Expert interview for the 52-minute documentary film “O Que Sai é do Governo” by Grace Beeler, *North Carolina State University*.
- 2018 Kyle Shelton and Earthea Nance. “Include Communities When Planning Post-Harvey Flood Mitigation Projects.” Op-ed comment published on July 5, 2018. Available at <https://www.houstonchronicle.com/opinion/outlook/article/Include-communities-when-planning-post-Harvey-13051168.php>. *Houston Chronicle*.
- 2014 Earthea Nance. “Environmental Justice Implications of the Keystone XL Pipeline.” Public comment to the US Department of State: Presidential Permit Applications: TransCanada Keystone Pipeline, L.P. National Interest Determination. Public Submission ID No. DOS-2014-0003-58234 posted on March 8, 2014. *US Department of State*.

#### f. Other Publications

##### Book Reviews

- 2007 Earthea Nance. *Journal of Environmental History* 12(1):2007, pp. 156-157. Book Reviewed: *Echoes from the Poisoned Well: Global Memories of Environmental Injustice*, edited by Sylvia Hood Washington, et. al., Lanham, MD: Lexington Books, 2006.
- 2005 Earthea Nance. *Journal of the American Planning Association* 71(4):2005, pp. 467-468. Book Reviewed: *The Quiet Revolution: Decentralization and the Rise of Political Participation in Latin American Cities*, by Tim Campbell, Pittsburgh, PA: University of Pittsburgh Press, 2003.

##### Dissertation and Thesis

- 2004 Earthea Nance, “Putting Participation in Context: An Evaluation of Urban Sanitation in Brazil,” Ph.D. Dissertation, *Stanford University*. 2004. Abstract appears in *Dissertation Abstracts International*, 65(04), 2035B (UMI No. 3128354); and in the *Journal of Planning Literature*, May 2005.
- 1991 (Earthea) Anaya Nance, “Applications of the Plug Flow Homogeneous Surface Diffusion Model in Predicting Adsorption on Granular Activated Carbon,” M.S. Thesis, *University of California-Davis*. 1991. Abstract appears in *Masters Theses in the Pure and Applied Sciences Accepted by Colleges and Universities of the United States*, Volume 36:184. New York, NY: Springer Science+Business Media, 1993.

## **2. Conference Papers and Presentations**

### **a. Refereed Seminars, Conferences, and Symposia**

Earthea Nance, Conference Paper, “Flood Buyout Inequity in Greater Houston,” Presented at the Association of Collegiate Schools of Planning Conference, Toronto, Nov. 5-8, 2020.

Earthea Nance, Conference Paper, “Best Practices in Flood Hazard Planning,” Presented at the 7<sup>th</sup> Annual HBCU Climate Change Conference, New Orleans, LA, Nov. 2019.

Earthea Nance, Conference Paper, “Promoting Equity in Flood Buyouts,” Presented at the 6<sup>th</sup> Annual HBCU Climate Change Conference, New Orleans, LA, Sept. 19-23, 2018.

Earthea Nance, Conference Paper, “Equitable Buyout Strategies for Mitigating Flood Risk in Houston,” Presented at the 42<sup>nd</sup> Annual Meeting of the Association of State Floodplain Managers, Phoenix, AZ, June 17-21, 2018.

Earthea Nance, Conference Paper, “Did Data from the Gulf Oil Spill Contradict Official Public Health Announcements Made During the Disaster?” Presented at the 55<sup>th</sup> Annual Conference of the Association of Collegiate Schools of Planning, Houston, TX, October 22-25, 2015.

Earthea Nance, Conference Paper, “Exploring the Impacts of Flood Insurance Reform on Vulnerable Communities,” Presented at the 3<sup>rd</sup> Annual HBCU Climate Change Conference, New Orleans, LA, March 26-29, 2015.

Earthea Nance, Conference Paper, “Evaluating the Impacts of National Flood Policy Reform on Vulnerable Communities,” Presented at the 38<sup>th</sup> Annual Meeting of the Association of State Floodplain Managers, Seattle, WA, June 2-6, 2014.

Earthea Nance, Conference Paper, Presented at the 1<sup>st</sup> National HBCU Climate Change Student Conference, New Orleans, LA, April 4-6, 2013.

Earthea Nance, Conference Paper, Presented at the 2<sup>nd</sup> National Disaster Resilient University Conference, New Orleans, LA, March 22-24, 2013.

Earthea Nance, Conference Paper, “Floodplain Decision-making Under Uncertainty: The Local Response to FEMA’s 2008 Digital Floodmap Release in New Orleans,” Presented at the 34<sup>th</sup> Annual Meeting of the Association of State Floodplain Managers, Oklahoma City, OK, May 16-21, 2010.

Earthea Nance, John Lopez, Marcia St. Martin, and Anne Rheams, Conference Paper, “Living Below Sea Level,” Presented at the 75<sup>th</sup> Annual Conference of the American Planning Association, New Orleans, LA, April 10-13, 2010.

Earthea Nance, Shirley Laska, Gavin Smith, and Roy Wright, Conference Paper, “Preparedness and Recovery Planning in Delta Regions,” Presented at the 75<sup>th</sup> Annual Conference of the American Planning Association, New Orleans, LA, April 10-13, 2010.

Earthea Nance, Conference Paper, "Disaster Mitigation and Recovery Planning: Lessons from New Orleans," Presented at the XXVIII International Congress of the Latin American Studies Association, Rio de Janeiro, Brazil, July 11-15, 2009.

Earthea Nance, Conference Paper, "The Role of Disaster Mitigation in the New Orleans Renaissance," Presented at the 56<sup>th</sup> Annual Conference of the Southeast Council of Latin American Studies, New Orleans, LA, April 18, 2009.

Earthea Nance, Conference Workshop, "Afro-Latin Americans and their Struggle for Environmental Justice, Community, and Identity," Presented at the XXVII International Congress of the Latin American Studies Association, Montreal, Canada, September 5-9, 2007.

Earthea Nance, Conference Paper, "Participation as Ethno-development, or a Post-Structuralist Account of Participatory Development." Presented at the 47<sup>th</sup> Annual Conference of the Association of Collegiate Schools of Planning, Fort Worth, TX, November 2006.

Earthea Nance, Stephen Wheeler, Jana Carp, and Bruce Goldstein, Conference Roundtable, "Ecological Approaches to Planning Theory," Presented at the 47<sup>th</sup> Annual Conference of the Association of Collegiate Schools of Planning, Fort Worth, TX, November 2006.

Earthea Nance, Conference Paper, "Making the Case for Community-Based Laboratories: A New Strategy for Environmental Justice." Presented at the 1<sup>st</sup> National Symposium on Race, Place, and the Environment after Katrina, New Orleans, LA, October 19-21, 2006.

Earthea Nance, Conference Paper, "Infrastructure and Grassroots Organizing in Brazilian Cities." Presented at the 8<sup>th</sup> Annual Conference of the Brazilian Studies Association, Nashville, TN, October 13-16, 2006.

Earthea Nance, Conference Paper, "Brazil's Transition to Participatory Sanitation, 1980-1995." Presented at the XXVI International Congress of the Latin American Studies Association, San Juan, Puerto Rico, March 15-18, 2006.

Earthea Nance, Conference Paper, "Local Visions of Sustainable Development: Marginality and the Struggle for Equitable Sanitation in Brazil." Presented at the 46<sup>th</sup> Annual Conference of the Association of Collegiate Schools of Planning, Kansas City, MO, October 2005.

Earthea Nance, Conference Paper, "Urban Sanitation Projects with Community Participation: Experiences from Brazil." Presented at the 2<sup>nd</sup> Fulbright Seminar in Regional Development, Vienna University of Economics and Business Administration, Vienna, Austria, July 8-13, 2005.

Earthea Nance, Conference Paper, "The Transition to Decentralized Sanitation Service during Brazil's Emerging Democracy, 1980-1995." Presented at the 26<sup>th</sup> Annual Meeting of the Mid-Atlantic Council for Latin American Studies, Richmond, VA, April 8-10, 2005.

Earthea Nance, Conference Paper, "Local Visions of Sustainable Development: Marginality and the Struggle for Equitable Sanitation in Brazil." Presented at the 1<sup>st</sup> International Globalization, Diversity, and Education Conference, Pullman, WA, March 3-5, 2005.

Earthea Nance, Conference Paper, "Evaluating the Performance of Condominial Sewers in Brazil." Presented at the 45<sup>th</sup> Annual Conference of the Association of Collegiate Schools of Planning, Portland, OR, October 21-24, 2004.

Earthea Anaya Nance, Conference Paper, "Factors Influencing Project Effectiveness in Seven Condominial Sewer Projects in Brazil." Presented at the MacArthur Consortium Symposium on The Challenge of Urban Sustainability, held at University of Minnesota, Minneapolis, MN, May 22-24, 1998.

Stephen Hayashi, Ann Farrell, and (Earthea) Anaya Nance, Conference Paper, "Performance Evaluation of Atomizer Scrubbers." Presented at the 4th Water Pollution Control Federation-Japan Sewage Works Association Joint Technical Conference, Tokyo, Japan, May 1990.

Ann E. Farrell, Bert Michalzyk, and (Earthea) Anaya Nance, Conference Paper, "Evaluating the Impacts of Sludge Incineration Using a Risk-Based Approach." Presented at the International Association of Water Pollution Research Conference on Sludge Management, held at Loyola Marymount University, Los Angeles, California, January 8-12, 1990.

(Earthea) Anaya Nance and Edward D. Schroeder, Conference Paper, "Design of GAC Adsorption Systems Using Theoretical Models and Field Data." Presented at the American Society of Civil Engineers Specialty Conference, Orlando, Florida, July 8, 1987.

Harald Moehser, (Earthea) Anaya Nance, and Edward D. Schroeder, Conference Paper, "Removal of Toxic Organic Compounds from Drinking Water Supplies." Presented at the Annual Convention of the Association of State Drinking Water Administrators, San Diego, California, February 24-25, 1987.

## **b. Invited Lectures, Keynotes, Speeches**

Earthea Nance, Invited Speaker, "Equity in Flood Buyout Programs: The Case of Houston," delivered at the One Water Webinar held by the U.S. Water Alliance, February 26, 2020.

Earthea Nance, Invited Speaker, "The Consortium and the Community," delivered at the webinar "A Seat at the Table: How to Engage in Houston Area Flood Mitigation," held by National Wildlife Federation, Sierra Club Lone Star Chapter, Bayou City Waterkeeper, and Galveston Bay Foundation, held in Houston, TX, October 15-17, 2019.

Earthea Nance, Invited Expert Speaker, “Emerging Trends in Urban Water Management,” delivered at the Kresge CREWS Convening, held in Richmond, VA, October 15-17, 2019.

Earthea Nance, Invited Expert Speaker, “After Harvey,” delivered at the Texas Tribune Festival, held in Austin, TX, September 28, 2019

Earthea Nance, Invited Expert Speaker, “Equity and the Future of Water,” delivered at the One Water Summit, held in Austin, TX, September 19, 2019.

Earthea Nance, Invited Expert Speaker, “Equity Dimensions of Flooding,” delivered at the US Water Alliance Boot Camp, held in Troy, MI, July 23-25, 2019.

Earthea Nance, Invited Expert Speaker, “Tools and Strategies for Hazard Planning” delivered at the Texas Citizen Planner Workshop, Texas A&M Agri-life Extension, held in Rockport, TX, June 27, 2019.

Earthea Nance, Invited Expert Speaker, “Tools and Strategies for Hazard Planning” delivered at the Texas Citizen Planner Workshop, Texas A&M Agri-life Extension, held in La Marque, TX, June 4, 2019.

Earthea Nance, Invited Presenter and Moderator, “Environmental Injustices Faced by Frontline, Indigenous, and Vulnerable Communities,” delivered at the Rothko Chapel Climate Change Symposium, held at the University of St. Thomas in Houston, TX, March 1, 2019.

Earthea Nance, Invited Presenter and Facilitator, “Resilience: Adapting to Change,” delivered at the Talking Transition: Harris County Workshop, held in Baytown, TX, February 23, 2019.

Earthea Nance, Invited Lecture, “Building a More Resilient Housing System,” delivered at the Kinder/LISC Housing Workshop, held in Houston, TX, March 2018.

Earthea Nance and Denae King, Invited Lecture, “Environmental Hazards 101,” delivered at the Gulf Coast Equity Consortium 3<sup>rd</sup> Convening, held in New Orleans, LA, October 21, 2017.

Earthea Nance, Chancellor’s Public Lecture (invited), “Innovation and Participation in Brazil’s Sanitation Sector: An Introduction to Condominial Sewers,” delivered at North Carolina State University, March 24, 2017.

Earthea Nance, Nicholas School of the Environment Public Lecture (invited), “Innovation, Participation, and Discourse in Brazil’s Sanitation Sector,” delivered at Duke University, March 23, 2017.

Earthea Nance, Department of City and Regional Planning Public Lecture (invited), “Innovation, Participation, and Discourse in Brazil’s Sanitation Sector,” delivered at the University of California–Berkeley, February 27, 2017.

Earthea Nance, Session Moderator, "Community Action and Response Session," 3<sup>rd</sup> Annual HBCU Climate Change Student Conference, New Orleans, LA, Mar 26-29, 2015.

Earthea Nance, Session Moderator, "HBCU Student Engagement Roundtable," 2<sup>nd</sup> Annual HBCU Climate Change Student Conference, New Orleans, LA, Apr 17-19, 2014.

Earthea Nance, Seminar Presentation, "Clearing the Air: An Analysis of Air Emissions from the Deepwater Horizon Oil Spill," Texas Southern University, Houston, TX, Nov. 21, 2013.

Earthea Nance, Presentation to the Board, "Is New Orleans More Resilient to Flood Hazards?, Deep South Center for Environmental Justice Advisory Board, Dillard University, New Orleans, LA, Jan. 25, 2013.

Earthea Nance, Panel Presentation, Tom Dent Congo Square Symposium: Recovering Disrupted Sites, New Orleans, LA, Nov. 9, 2012.

Earthea Nance, Monica Farris, John Keifer, and Shirley Laska, Executive Program in Resilience and Risk Management, delivered in Livingston Parish, LA (December 2011); in Baton Rouge, LA (June, 2011); and in New Orleans, LA (April 2011).

Earthea Nance, Panel Presentation, National Research Council Committee on Increasing National Resilience to Hazards and Disasters, New Orleans, LA, Jan. 18-21, 2011.

Earthea Nance, Panel Presentation, Walking a Fine Line: Scientists, Experts, and Civic Engagement, New Orleans, LA, Nov. 2-4, 2010.

Earthea Nance, Panel Presentation, Hurricane Science and Education Symposium, Tulane University, New Orleans, LA, Oct. 25, 2010.

Earthea Nance, Panel Presentation, MIT Symposium on the BP Oil Spill, Massachusetts Institute of Tech., Cambridge, MA, Sept. 28, 2010.

Earthea Nance, Invited Participant, State of Louisiana Comprehensive Resiliency Pilot Program, Baton Rouge, LA, July 23, 2010.

Earthea Nance, Panel Presentation, Katrina @ Five Conference: Partners in Philanthropy, New Orleans, LA, March 22-24, 2010.

Earthea Nance, Garrett Graves, Michael Hunnicutt, Larry Buss, Billy Marchal, and Richard Krajewski, Workshop Presentation, "Mitigation Policy," Presented at the 1<sup>st</sup> Building Resilience Workshop, New Orleans, LA, Feb. 25-27, 2010.

Earthea Nance, Anne Rolfes, and Beth Willinger, Conference Paper, "Environmental Justice Policy," Presented at the 23<sup>rd</sup> Annual Conference of the National Association of Environmental Law Societies, Loyola University, New Orleans, LA, March 4-7, 2010.



Earthea Nance, John Keifer, and Kris Peterson, Invited Panelist, “Haiti’s Recovery,” Presented at the University of New Orleans, Center for Hazards Assessment, Response, and Technology, February 2010.

Earthea Nance, Rafe Rabalais, and Khalil Tian Shahyd, Invited Panelist, “Building Trust in our Community and Urban Planning: Critical Perspectives and Open Public Dialogue,” Presented at the 1<sup>st</sup> Public Forum on Interethnic Communication, Action Coalition for Racial, Social, and Environmental Justice and Crescent City Shapers, University of New Orleans, November 20, 2009.

Earthea Nance, Workshop Presentation, “Policy Paper on the Environment: Hazard Mitigation and Soil Remediation,” Presented at the 2<sup>nd</sup> Public Policy Task Force Meeting, Deep South Center for Environmental Justice, New Orleans, LA, October 8-9, 2009.

Earthea Nance, Workshop Presentation, “The State of Recovery in New Orleans: Hazard Mitigation,” Presented at the 1<sup>st</sup> Public Policy Task Force Meeting, Deep South Center for Environmental Justice, New Orleans, LA, June 25, 2009.

Earthea Nance, Welcome Address for Plenary Session 1, Presented at the Annual Meeting of the Association of State Floodplain Managers’ 4<sup>th</sup> National Floodproofing Conference and Exposition, New Orleans, LA, November 16-20, 2008.

Earthea Nance, Plenary Keynote Address, Presented at the 2008 American Water Resources Conference, New Orleans, LA, November 17-20, 2008.

Earthea Nance, Keynote Address, Presented at the 2008 EPA Blacks in Government Annual National Training Conference, New Orleans, LA, August 11-15, 2008.

Earthea Nance, Plenary Address, Presented at the 2<sup>nd</sup> National Symposium on Race, Place, and the Environment After Katrina: Healthy Communities Session, New Orleans, LA, May 15-17, 2008.

Earthea Nance, Graduation Commencement Speech, Presented at College of Architecture and Urban Studies, Virginia Tech, Blacksburg, VA, May 10, 2008.

Earthea Nance, Invited Lecture, “Roadmap for Greening New Orleans,” Presented at the 13<sup>th</sup> Annual Tulane Environmental Law Conference on Climate Change, held at Tulane University, New Orleans, LA, April 4-5, 2008.

Earthea Nance, Invited Lecture, “Recovery Planning: Hazard Mitigation in New Orleans,” Presented at the 1<sup>st</sup> Dutch Water Dialogue: Planning for Water and Infrastructure, held at the Port of New Orleans, New Orleans, LA, March 6, 2008.

Earthea Nance, Welcome Address, Presented at the Annual Meetings of the American Society of Agronomy, the Crop Science Society of America, and the Soil Science Society of America, New Orleans, LA, November 4-8, 2007.

Earthea Nance, Keynote Address, "Recovery Management Strategies for Dealing with Urban Contamination," Presented at the Society for Environmental Geochemistry and Health Conference, New Orleans, LA, July 22-25, 2007.

Earthea Nance, Invited Lecture, "Introduction to the New Orleans Recovery Plan," Presented at the International City Management Association Restoration Conference, New Orleans, LA, May 2-4, 2007.

Earthea Nance, Invited Lecture, "Planning the New Orleans Recovery," Presented at the Bayou Bienvenue Restoration Planning Workshop, held at Tulane University, New Orleans, LA, April 12-13, 2007.

Earthea Nance, Plenary Address for Session 1, "Looking Ahead by Looking Back," Presented at the Association of State Floodplain Managers' Mission Mitigation Gulf Coast Recovery Workshop, New Orleans, LA, April 9-12, 2007.

Earthea Nance, Welcome Address, "Local Government Functionality During and After a Disaster," Presented at the 29<sup>th</sup> Annual National Hurricane Conference, New Orleans, LA, April 4, 2007.

Earthea Nance, Invited Lecture, "Evaluating Brazil's Grand Experiment in Participatory Sanitation," Presented to the Woodrow Wilson School of Public and International Affairs and the Department of Civil and Environmental Engineering, Princeton University, Newark, NJ, February 28, 2006.

Earthea Nance, Seminar Presentation, "Entendendo os Resultados de Projetos de Esgoto Condominial Avaliados em Natal e Recife," Presented (in Portuguese) at the Centro de Filosofia e Ciencias Humanas, Universidade Federal de Pernambuco, Recife, Pernambuco, Brazil, January 25, 2006.

Earthea Nance, Seminar Presentation, "Entendendo os Resultados de Projetos de Esgoto Condominial Avaliados em Natal e Recife," Presented (in Portuguese) at the Associacao Brasileira de Engenharia Sanitaria e Ambiental, Natal, Rio Grande do Norte, Brazil, January 18, 2006.

Earthea Nance, Invited Lecture, "An Evaluation of Urban Sanitation in Brazil." Presented to the International Development and Regional Planning Group, Department of Urban Studies and Planning, Massachusetts Institute of Technology, Cambridge, MA, March 11, 2005.

Earthea Nance, Invited Lecture, "Why Do Low-Cost Sanitation Systems Fail?: Lessons from Brazil." Presented at the Environmental and Water Resources Engineering Seminar, Department of Civil and Environmental Engineering, Virginia Tech, February 4, 2005.

Earthea Nance, Invited Lecture, "Stakeholder Involvement in Brazilian Sanitation Projects." Presented at the Solutions for a Shrinking Planet Conference by Engineers for a Sustainable World, Stanford, CA, September 30-October 2, 2004.

## ***Teaching***

### **Courses Designed & Delivered:**

#### **a. Full Courses (19 topics)**

Independent Study-UPEP 977	Spring 2019
Dept. of Urban Planning and Environmental Policy, Texas Southern University	
Disaster Resilient Communities-EMGT 402	Fall 2018
Dept. of Political Science, Texas Southern University	
Disaster Mitigation and Planning-UPEP 874	Spring 2018
Dept. of Urban Planning and Environmental Policy, Texas Southern University	
Environmental Planning & Policy-UPEP 904	Fall 2017
Dept. of Urban Planning and Environmental Policy, Texas Southern University	
Infrastructure Planning and Policy-UPEP 850	Fall 2017
Dept. of Urban Planning and Environmental Policy, Texas Southern University	
*Environ. Planning. & Natural Resource Mngmt-UPEP 905	Spring 2015-2021
Dept. of Urban Planning and Environmental Policy, Texas Southern University	
*Environmental Monitoring and Assessment-UPEP 906	Fall 2014-2020
Dept. of Urban Planning and Environmental Policy, Texas Southern University	
Environmental Impact Assessment-UPEP 852	Spring 2014
Dept. of Urban Planning and Environmental Policy, Texas Southern University	
Analytic Methods for Planners-MURP 6020	Fall 2011, 2012
Dept. of Planning and Urban Studies, University of New Orleans	
Urban Services in the Developing World-MURP 4800/G	Spring 2009, 2010
Dept. of Planning and Urban Studies, University of New Orleans	
Practicum in Urban and Regional Planning-MURP 6720	Spring 2010/11/12/13
Dept. of Planning and Urban Studies, University of New Orleans	
Planning for Hazards-URBN 4150/G	Fall 2009, 2010 and Spring 2011, 2013
Dept. of Planning and Urban Studies, University of New Orleans	
Environmental Planning-MURP 4140/G	Fall 2009/10/11/12
Dept. of Planning and Urban Studies, University of New Orleans	
Water and Sanitation in Developing Countries-11.479	Spring 2006
Dept. of Urban Studies & Planning, Massachusetts Institute of Technology	

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*\*indicates a core class taught every year*

Advanced Seminar in Water and Sanitation-11.951	Fall 2005
Dept. of Urban Studies & Planning, Massachusetts Institute of Technology	
Grassroots Organizing and Participation-UAP 5974	Fall 2005
Urban Affairs and Planning Program, Virginia Tech	
Housing and Infrastructure Planning in Third World Countries-UAP 5384	Spring 2005
Urban Affairs and Planning Program, Virginia Tech	
Pollution Control Planning and Policy-UAP 4384	Fall 2006, Spring 2005
Urban Affairs and Planning Program, Virginia Tech	
Sustainable Urban Infrastructure Planning-UAP 4854	Fall 2006, Fall 2004
Urban Affairs and Planning Program, Virginia Tech	

## **b. Short Courses and Guest Lectures**

Environmental Monitoring and Analysis-UPEP 906	Sept 18, 2013
Dept. of Urban Planning and Environmental Policy, Texas Southern University	
Lecture: "Air Emissions from the Deepwater Horizon Oil Spill"	
Environmental Justice Seminar	Aug 7, 2013
Dept. of Urban Planning and Environmental Policy, Texas Southern University	
Lecture: "Can Flood Risk Management Make Vulnerable Communities	More
Resilient?"	
Public Policy and Planning After Disasters	Aug-Sept, 2007
Dept. of Planning & Urban Studies, University of New Orleans	
Lecture 1: "Introduction to Public Policy and Planning After Disasters"	
Lecture 2: "Developing Environmental Justice Policy for New Orleans"	
Lecture 3: "New Orleans Healthy Communities Policy Agenda"	
Katrina Practicum-11.945	Mar 21, 2006 in Cambridge
Dept. of Urban Studies & Planning	Mar 26-29, 2006 in New Orleans
Massachusetts Institute of Technology	
Lecture: "Environmental Justice Impacts of Hurricane Katrina"	
Big Plans-11.123	Feb 27, 2006
Dept. of Urban Studies & Planning, Massachusetts Institute of Technology	
Lecture: "Impacts of the Hurricane Katrina Redevelopment Process on Communities"	
Development Lab I-11.190	Oct 12, 2005
Dept. of Urban Studies & Planning, Massachusetts Institute of Technology	
Lecture: "Low-Cost Sanitation"	
Mozambique Water and Sanitation Practicum-11.963	Jun 5-Jul 3, 2005
Dept. of Urban Studies & Planning, Massachusetts Institute of Technology	
Served as Faculty Co-facilitator	

Metropolitan Planning Topics: Sustainable Urban Infrastructure-UAP 4384  
 Urban Affairs and Planning Program, Virginia Tech Apr 22-23, 2005  
 Short Course

Water and Sanitation Planning in Developing Countries-11.479 Mar 11, 2005  
 Dept. of Urban Studies & Planning, Massachusetts Institute of Technology  
 Lecture: "Urban Sanitation Projects with Community Participation"

Advanced Urban Research Methodology-UAP 5484 Jan 24, 2005  
 Urban Affairs and Planning Program, Virginia Tech  
 Lecture: "The Tools and Materials of Qualitative Fieldwork"

### **c. Teaching Assistantships**

Sustainable Water Resources Development-CE 265 Spring 1997, Spring 1994  
 Dept. of Civil and Environmental Engineering, Stanford University

Environmental Policy Design and Implementation-CE 266 Winter 1994  
 Dept. of Civil and Environmental Engineering, Stanford University

Environmental Planning Methods-CE 171 Fall 1993  
 Dept. of Civil and Environmental Engineering, Stanford University

Solid Waste Management-CE 147 Fall 1986  
 Dept. of Civil and Environmental Engineering, University of California-Davis

Introduction to Engineering Systems-ENG 3 Winter 1986, Fall 1985  
 Dept. of Civil and Environmental Engineering, University of California-Davis

## ***Thesis and Dissertation Chair/Committee***

### **Thesis or Dissertation Chair:**

1. Olaniyi David Olayeye, PhD in Urban Planning, Texas Southern Univ. 2018-present
2. Liza Powers, PhD in Urban Planning, Texas Southern University 2016-present
3. Nekya Jenise Young, PhD in Urban Planning, Texas Southern University 2014-present
4. Tony Holmes, PhD in Urban Planning, Texas Southern University 2017
5. Fatai Oyejobi, PhD in Urban Planning, Texas Southern University 2014-2018
6. Omolade Erogunaiye, PhD in Urban Planning, Texas Southern University 2016-2017
7. Joy Semien, MS in Urban Planning, Texas Southern University 2016-2017
8. Dafer Alshehri, PhD in Urban Planning, Texas Southern University 2015-2016
9. Ibrahim Ethem Guser, PhD in Urban Planning, Texas Southern University 2014-2017
10. Jack Handy, PhD in Urban Planning, Texas Southern University 2014-2016
11. Gayle Lawrence, PhD in Urban Planning, Texas Southern University 2013

12. Evelyn Cade, Masters in Urban Planning, University of New Orleans	2012-2013
13. Scarlet O'Dell Berkes, Masters in Urban Planning, Univ. of New Orleans	2012-2013
14. M. Reddy Avula, PhD in Urban Studies, University of New Orleans	2009-2013
15. Kimberly Hymel, Masters in Urban Planning, University of New Orleans	2011-2012
16. Melanie Sand, Masters in Urban Studies, University of New Orleans	2011-2012
17. Amanda Penick, Masters in Urban Studies, University of New Orleans	2010-2011
18. Dale Thayer, Masters in Urban Planning, University of New Orleans	2009-2010
19. Darin Acosta, Masters in Urban Planning, University of New Orleans	2009-2010
20. Whitford Remer, Masters in Urban Planning, Loyola Univ./Univ. of New Orleans	2010
21. Chandra Lily, Masters in Urban Planning, University of New Orleans	2009-2010
22. Olajide O. Oladokun, Masters in Public Health, Harvard University	2005-2006
23. Brian Luhman, Masters in Urban Planning, Virginia Tech	2004-2005
24. Patrick Hughes, Masters in Urban Planning, Virginia Tech	2004-2005
25. Dina Ventura Diaz, Masters in Urban Planning, Virginia Tech	2004-2005

### **Thesis or Dissertation Committee Member:**

1. Jermaine Potts, MS in Transportation Planning, Texas Southern Univ.	2018-present
2. Edward Carter, PhD in Urban Planning, Texas Southern University	2014-present
3. Zhonghua "Tony" Jin, PhD in Urban Planning, Texas Southern University	2014-present
4. Marilyn Square, PhD in Urban Planning, Texas Southern University	2015
5. Eric Tucker, PhD in Urban Planning, Texas Southern University	2014
6. Linda Omene, PhD in Urban Planning, Texas Southern University	2014-2017
7. Olaotan Oduola, PhD in Urban Planning, Texas Southern University	2014-2015
8. Jasmine Carr, PhD in Urban Planning, Texas Southern University	2014-2015
9. Subrity Rajbhandari, PhD in Urban Planning, Texas Southern University	2014-2015
10. Samuel Taiwo Osho, PhD in Urban Planning, Texas Southern University	2013-2016
11. Maribel Handy, PhD in Urban Planning, Texas Southern University	2014-2016
12. Evans Igbinalodor, PhD in Urban Planning, Texas Southern University	2014-2016
13. Keciana Enaohwo, PhD in Urban Planning, Texas Southern University	2014-2016
14. Chandra Teddleton, PhD in Urban Studies, University of New Orleans	2010-2013
15. Carrie Beth Lasley, PhD in Urban Studies, University of New Orleans	2009-2012
16. Lindsay Pick, Masters in Urban Planning, University of New Orleans	2010-2011
17. Joshua Hawkins, Masters in Public Administration, Univ. of New Orleans	2009-2010
18. Fleur Gooden, PhD in Environmental Design and Planning, Virginia Tech	2006-2007
19. Natalie Hart, PhD in Environmental Design and Planning, Virginia Tech	2005-2006
20. Gisele V. Goldstein, PhD in Environmental Design & Planning, Virginia Tech	2005-2006
21. Vik Bellara, PhD in Environmental Design and Planning, Virginia Tech	2005-2006
22. Heather Switzer, PhD in Environmental Design and Planning, Virginia Tech	2004-2006

23. Marcy Schnitzer, PhD in Environmental Design and Planning, Virginia Tech	2004-2006
24. Chris Strock, Masters in Civil & Environmental Engineering, Virginia Tech	2005-2006
25. Colin Deschamps, Masters in Civil & Environmental Engr., Virginia Tech	2005-2006
26. David B. Henderson, Masters in Urban & Regional Planning, Virginia Tech	2004-2005
27. Angela Mendes, Masters in Urban & Regional Planning, Virginia Tech	2004-2005
28. Tiffany Moore, Masters in Urban & Regional Planning, Virginia Tech	2004-2005
29. Andree Trilling, Masters in Urban & Regional Planning, Virginia Tech	2004
30. Sam Allin, Masters in Urban & Regional Planning, Virginia Tech	2004
31. Ana C. Abad, Masters in Urban & Regional Planning, Virginia Tech	2004
32. Sara Bumstead, Masters in International Planning, Virginia Tech	2004
33. Martin Marine, Masters in International Planning, Virginia Tech	2004

### **Faculty Mentor**

Velyjah Southern, TRB Minority Graduate Student Fellows Program	2016-2017
Nekya Jenise Young, TRB Minority Graduate Student Fellows Program	2015-2016

## ***Service***

### **Service to the University**

#### University Committees – Texas Southern University

Institutional Review Board (appointed)	2020-present
Dean's Search (appointed)	2018-2019
Hazard Mitigation Task Force	2018
COPHS Doctoral Program Admissions	2016-2017

#### School Committees – School of Public Affairs

Rank, Tenure, and Promotion Committee (Chair)	2019-present
Building and Facility	2018-2020
Research	2018-2020
Library Acquisition	2018-2020
Curriculum and Academic Standards	2018-2020
Faculty Performance Evaluation	2014-2015
Student Affairs	2013-2016

#### Department Committees – Urban Planning & Environmental Policy

Faculty Search Committee (Chair)	2019-2020
Curriculum	2016-2017, 2017-2018, 2018-2019
Grievance	2014-15, 2016-17, 2017-18, 2018-19, 2019-present
Budget	2016-2017, 2019-present

Doctoral Program Admissions	2015-2016
Faculty Search Committee Member	2014-2015
Dissertation Methods Advisor	Spring & Fall, 2014
Department Committee Assignments - University of New Orleans	
Faculty Search, Dept. of Planning & Urban Studies	2010-2011
Department Committee Assignments – Virginia Tech	
Faculty Search, Urban Affairs and Planning Program	2004-2005

### **Service to the Profession:**

Trial Editor: <i>Natural Hazards Review</i>	2016-present
Guest Editor: <i>SAGE Open</i>	2017
Manuscript <i>Natural Hazards Review</i>	2016-present
Reviewer: <i>International Journal of Disaster Risk Reduction</i>	2015-present
<i>Ralph Bunch Journal of Public Affairs</i>	2020
<i>Water / Regional Environ. Change / AIMS Environ. Science</i>	2016
<i>World Medical &amp; Health Policy</i>	2015
<i>Urban Affairs Review</i>	2012
<i>Journal of Planning Education and Research</i>	2007
<i>American Journal of Evaluation</i>	2006
<i>J. Environmental Assessment Policy &amp; Management</i>	2004
Expert Reviewer: National Research Council, Affordability of National Flood Insurance Program Premiums – Reports 1 and 2	Feb-Oct 2015
Facilitator, UC Berkeley HAAS Center Convening for Fairness and Justice, held at Texas Southern University, Houston, TX	Dec 2-3, 2013
Fellowship Reviewer: Public Entity Risk Institute, National PeriShip Awards in Hazards, Risk, and Disasters	2012
Peer Reviewer: The World Bank, “Securing a Resilient Future for the Bangladesh Sundarbans”	Jun 2012
Grants Reviewer: Environmental Protection Agency, National Water and Wastewater Research Grant Competition, Washington DC	May 2006
Judge: Massachusetts Institute of Technology, MIT Ideas Competition, Cambridge, MA	May 2006
Abstract Reviewer: Association of Collegiate Schools of Planning, Sub-Chair of the International Development Track, ACSP Conference.	Apr 2005



## ***Professional Practice***

Full-time practical experience as a professional engineer and planner is outlined in this section.

### **Planning Management Experience**

*Provided subject matter expertise and recommendations to elected officials and city executives on a variety of environmental planning topics.*

- Raised funds, hired and supervised staff, and managed a multimillion-dollar budget.
- Directed citywide planning programs in hazard mitigation (\$59 million), environmental sustainability (\$1.14 million), solar energy (\$200,000), and healthy communities (\$100,000).

### **Engineering Management Experience**

*Managed the preparation of engineering designs, specifications, cost estimates, compliance evaluations, plans, and reports for a variety of infrastructure and environmental projects.*

- Hired, supervised, and mentored staff; managed an annual facility budget of \$830,000.
- Supervised the work of civil engineers, structural engineers, architects, specification writers, cost estimators, CAD drafters, GIS mapping specialists, technical and administrative staff, and sub-consultants.
- Led numerous proposal writing efforts, sought new business, wrote and administered sub-contracts, and developed and maintained relationships with clients and other firms.

### **Project Experience**

- *Environmental Planning Projects*
  - Hazard mitigation plan for New Orleans, LA.
  - Sustainability action plan for New Orleans, LA.
  - Master plan for New Orleans, LA.
  - Carbon report for New Orleans, LA.
  - Citizen soil remediation guide for New Orleans, LA.
  - Fresh food access program for New Orleans, LA.
  - Sewer system master plan for Manteca, CA.

- Environmental impact assessment of wastewater disposal into a bay wetlands/marsh in Palo Alto, CA.
- Environmental permitting, start-up testing, and operational readiness for a newly constructed hazardous and radioactive waste treatment plant in Livermore, CA.
- Preparation of RCRA closure/post-closure documents for a hazardous waste landfill in Bakersfield, CA.
- Environmental compliance analysis of proposed wastewater recycling activities at a Navy Base redevelopment project in San Francisco, CA.
- Regulatory analysis of existing environmental permits for various petroleum waste discharges, waste emissions, and industrial discharges into public sewer systems in northern CA.
- *Environmental Mitigation, Remediation, and Monitoring*
  - Evaluation of hundreds of residential structures for mitigation via reconstruction, elevation, and wind retrofit in response to hurricane and flood hazards in New Orleans, LA.
  - Environmental remediation of an aging radionuclide research facility to mitigate the risk of dispersal of radioactive material during an earthquake in Livermore, CA.
  - Monitoring and sampling toxic air emissions from wastewater treatment plants in northern CA.
  - Environmental health risk analysis of sludge incineration and development of mitigation methods for Contra Costa County, CA.
  - Environmental analysis of industrial waste discharges into a military base sewer system in Nevada.
- *Hydraulic Modeling and Analysis*
  - Hydraulic analysis of drinking water distribution systems in CA and NV.
  - Hydraulic analysis of fire protection systems in CA and NV.
  - Hydraulic modeling of wastewater treatment plants in northern CA.
  - Hydraulic modeling of sanitary sewer systems in northern CA.
- *Infrastructure Design*
  - Design of infrastructure and utilities, preparation of blueprints, and engineering oversight during construction for San Francisco International Airport.

- Design of waste management facilities, preparation of blueprints, and engineering oversight during construction for San Diego International Airport.
- Design of treatment facilities to control toxic air emissions in a San Jose, CA neighborhood sewer system.
- Preliminary design of tertiary filters for a wastewater treatment plant in Fairfield, CA.
- Preliminary design of a wastewater pump station in Oakland, CA.
- *Engineering Analysis*
  - Analysis of the feasibility, cost effectiveness, and environmental impacts of enhanced treatment to remove heavy metals at a wastewater treatment plant in Palo Alto, CA.
  - Analysis of water quality and pipe corrosion in a Blackhawk, CA neighborhood water system.
  - Performance analysis of a sludge treatment system in Fremont, CA.
  - Economic analysis of sludge aeration alternatives for a wastewater treatment plant in northern CA.
  - Feasibility analysis of sludge incineration at a wastewater treatment plant in Contra Costa County, CA.
  - Assessment of hydrogen sulfide emissions from sewer systems in San Jose, CA.

***Professional Societies*** (current or past member)

**Association of Collegiate Schools of Planning**  
**Association of State Floodplain Managers**  
**Texas Floodplain Management Association**  
 Natural Hazard Mitigation Association  
 Louisiana Floodplain Management Association  
 Latin American Studies Association  
 Brazilian Studies Association

Mid-Atlantic Council for Latin American Studies  
 Southeast Council for Latin American Studies  
 American Society of Civil Engineers  
 Water Environment Federation  
 American Water Works Association  
 International Water Association  
 California Water Pollution Control Association  
 Society of Women Engineers

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